AMENDMENTS TO THE ABSTRACT

Replace the abstract with:

~~**Summary**~~
~~**Use of Inhibitors for the Treatment of RTK-Hyperfuntion-induced Disorders, Particularly Cancer**~~

The invention provides a method for the therapeutic treatment of a cancer in a mammal wherein (i) the mammal comprises a mutated fibroblast growth factor receptor-4 (FGFR-4) protein, and (ii) the mutated FGFR-4 comprises at least one point mutation in the transmembrane domain of FGFR-4 that substitutes a hydrophilic amino acid for a hydrophobic amino acid. The method comprises administering to the mammal an effective amount of at least one inhibitor of the mutated FGFR-4.

~~The present invention concerns the use of inhibitors for the treatment and/or prophylaxis of diseases which are the consequence of increased receptor tyrosine kinase activity, particularly cancer. The use is particularly directed towards inhibition or lowering of the overexpression and/or altered activity of receptor tyrosine kinases (RTKs). In particular, this altered activity of receptor tyrosine kinase can be triggered by a mutation of FGFR-4, wherein this mutation is in particular a point mutation in the transmembrane domain of FGFR-4 and leads to an exchange of a hydrophobic amino acid for a hydrophilic amino acid. The invention further concerns the use of an inhibitor directed against FGFR-4, for the treatment and/or prophylaxis of cancer. Furthermore, the invention concerns a mutated FGFR-4, which leads to overexpression and/or altered activity in cells. Finally, the invention concerns a DNA and RNA sequence of a mutated FGFR-4 molecule. Finally, in addition the invention concerns a pharmaceutical composition, containing the inhibitor as described above and further a diagnostic and screening procedure.~~